Dick Smith Electronics Pty Ltd

COMPUTER

Vol 2 No 2 July 1986

TECHNICAL SERVICES EXPANSION

For most businesses, unexpected servicing of equipment can be expensive, not only in terms of the cost of repairs, but more the cost of having vital functions disrupted. Minimal down-time becomes critical to the operation and day-to-day efficiency of the business.

Dick Smith Electronics has recently put into operation a vital service for computer users, especially those who rely on prompt attention. This service has been instigated to provide users with the maximum amount of 'up-time', as part of DSE's commitment to improved after-sales service across the complete product range, not only computers.

Facilities have been substantially upgraded with new equipment. Recent installations include an electro-static discharge controlled area, the latest high technology diagnostic equipment and the creation of the Board Repair Centre (for in-house PCB exchange purposes).

In addition, highly qualified computer technicians and engineers ensure that the item for service or repair receives the ultimate technical support, in as short a turnaround time as possible.

To assist the customer, four levels of service are available, based on the individual needs of that customer and the type of application.

1. Standard Service Level
Any one of our 53 stores will forward computer products freight free to the nearest DSE Service Centre. A ten day turnaround (ex transit) is offered, and a mininal service fee is charged.

2. Priority Service Level
This ensures that the item requiring service is given a higher priority at the Service Centre. For an additional $10 charge, the customer receives a 5 day turnaround, as opposed to the 10 day turnaround of the standard service level. To obtain this level of service, the customer must bring in the computer to the Service Centre.

3. Premium Service Level
For an additional $10 fee, the item receives top priority attention, with an average turnaround of only 72 hours. Again, this is a carry-in situation in order to save on transit time.

4. Technical Support Agreement Level
Either at the time of purchase, or at a later date, agreements can be taken out to ensure prompt service:

a) a carry-in service whereby all parts and all labour costs are covered for a full 12 month period and the product is serviced, checked and tested with an average turnaround time of 72 hours.

b) an on-site service agreement is available to provide customers with immediate attention on their own premises. DSE technical engineers respond within 4 to 8 hours (depending on the time of day) ensuring minimum down-time.

One of the DSE Technical Support Services staff and vehicles in the field.

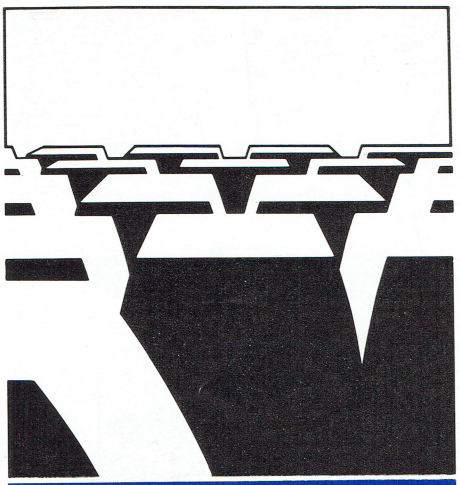
NEW DEVELOPMENTS

Commodore Vic 20 and 64 computers have been supported for quite some time by the DSE Service Centres. Early in April DSE was able to open service facilities to all Commodore users, whether the product was purchased from DSE or not. DSE stores will gladly assist Commodore users with their service requirements. *Continued Page 2*

IN THIS ISSUE

Technical Services Update 1
From the Editor.....2
Competition Winner.....5
Software Review.....2
New Modem 3
VZ Info 4-5
Viatel Services.....5
PAMS Listing.....7
Adventurer's Corner.....5
User Groups.....8
Handy Phone List.....8

DICK SMITH ELECTRONICS PTY LTD



FROM THE EDITOR

This issue of Comput offers readers a myriad of information and features. New items include a complete Public Access Message Systems listing, a comprehensive Viatel service listing and a marked increase in the space dedicated to the VZ300.

VZ users will be happy to see a complete run-down of the disk software available, as well as information about recent technical bulletins pertaining to tape-to-disk converstions.

There is also a new program competition which will be a permanent feature, as well as the winner of the 'Spot the Bug' competition. Also included is the latest user group listing, with a further four new groups being added to the already long list. One of these is a VZ club in Western Australia which I'm sure willl have lots of support form our friends in the West.

Please keep us informed, not only on new listings of groups and bulletin boards, but also on how you feel about Comput. It is after all a forum for the customers of Dick Smith Electronics.

Regards

The Editor.

Reflex Review

by Paul Beaver

Reflex is the latest in the series of programs released by Borland, one of the world's most dynamic software houses. They have a tradition of producing great software at low prices.

Reflex is different to the earlier Borland products in that it is an application program not a utility or language. It does a specific job rather than being a general programming aid.

Reflex is a tool that allows you to analyse information. It allows you to examine a large amount of information and easily see any relationships.

It is different to other analysis programs in its approach to handling information. The day to day entry of information is much simpler. In programs such as Lotus 1-2-3 you enter the information into the correct position on a table you'd previously set up. Using Reflex you enter the information on a simple form and the program does the work for you.

This ease of use extends throughout the program. When you press the help key, the help screen for the section of the program you were working in is displayed, and you can call up further help screens on related subjects.

Reflex uses five "views" or ways to present your information to you.

The **Form** view is the simplest of the views. It allows you to view your information in detail, one record at a time, laid out in an 'index card' format.

The **List** view will display several records laid out in a table format as it would be if you were using a spreadsheet program.

The **Crosstab** view allows you to see any relationships between groups of figures that would be difficult if not impossible to see in any other way.

The **Graph** view allows you to present your information in a graphical format and the **Report** view allows you to create complex printed report formats to present your data.

For the more experienced users Reflex offers a full set of mathematical, statistical and financial functions AND has a sophisticated set of functions for handling date and time calculations.

In addition Reflex supports the transfer of information from PFS, Dbase II & III, Lotus 1-2-3 & Symphony, and the more common DIF and straight ASCII formats.

When you combine this ability to transfer information with the inbuilt Graph and Report views the experienced user can use Reflex as a powerful and easy to use report generator for almost any program.

As a fully featured, database management program or as an inexpensive graph and report generator Reflex should be considered by beginner or "old hand". It looks like Borland has another winner!

Reflex Cat X-5278 **$199**

For further information please tick box 10 in the Reader Service section on the back page.

Continued from Page 1

Challenger and Bondwell 14 owners have available a very economical carry-in technical support agreement, providing an efficient repair turnaround of 72 hours. This has been made available by the provision of the PCB exchange facilities mentioned earlier. Parts, as required are supplied, and labour costs are all incorporated in the support fee which remains fixed for 12 months.

The Challenger agreements cost $55 per quarter, and the Bondwell 14 is covered for only $48.50 per quarter.

NEW SERVICE CENTRE

Since the last issue of Comput, a new service centre has been opened in Brisbane offering, Brisbane customers all the service and facilities mentioned above. This is the third DSE Service Centre, following the success of the Victorian branch in Richmond. In other states, we use hand-picked contractors (who we know will match our high standards) so that none of our customers are disadvantaged. Australia-wide service from the Australia-wide company.

For more information on service agreements, please tick box 1 on the back page.

APOLOGY

CONTACT BBS

The Computer Social Club

With over 200 financial members and 2000 regular users, CONTACT BBS is one of the largest bulletin board services in Sydney. It's a non-profit organisation and is open to members and visitors 24 hours, 7 days a week.

It offers extensive file transfer facilities for all the most popular computers, and regularly organises program tutorial nights, movie nights and party nights!

Visitors Welcome 24 hours, 7 days
Sysop: Steve Williams
Ph: (02) 550 1004
300 baud, 1200/75 baud
1200/1200 full duplex
Board detectable modem
Bell and CCITT, V21, V22, V23

(Please note: this is a correction to the information published in the latest DSE Catalogue on page 162, which was unfortunately incorrect. We apologise to the operators of Contact BBS for any inconvenience experienced.)

NEW MODEM

Dataphone 1200 Modem

Dataphone 1200 is a new addition to our range of computer products, and offers a wide range of facilities at a low price. It features 300/300, 600/75 and 1200/75* modes, auto answer/answer/originate and is Telecom approved. It comes complete with a Telecom approved 12 memory push button phone at a low price of only $349.

It also conforms to CCITT recommendations: V21 and V23, Bell 103 and 2020, and included in the price is an RS232 serial interface for connection to your computer, a 240V supply cable and a telephone plug. (Cat X-3300)

* For correct operation with VIATEL, please contact your nearest DSE store.

For more information tick box 2 on back page.

POKES

Listed below are some interesting pokes supplied by various owners of VZ200s. If you have any contributions in this area, please don't hesitate to send them in to the Editor, Comput, P O Box 321, North Ryde, 2113.

This routine will reset the VZ200 and return to BASIC:

POKE 30862,249:POKE 30863, 0:X=USR(X)

This routine will tell you how much free memory you have remaining:

POKE 30862,212:POKE 30863, 39:PRINT USR(X)

This will show you how much free string space you have:

POKE 30862,212:POKE 30863, 39:PRINT USR(X$)

POKE 31003,175 traces a program

POKE 31003,0 disables the trace function

POKE 30723,2 disables the error signal, allows the computer to be used as a typewriter.

POKE 30886,X controls the position at which things are printed. Experiment with different X values. Poke this value before each print command.

POKE 30779,0 restores all the sound capabilities without harming the program in memory.

POKE 30779,1 restores all of the sound capabilities, again without harming the program in memory.

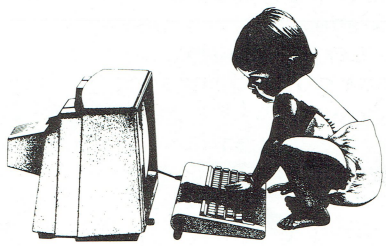
A question for our VZ readers:

What peek/poke statement disables the keys from beeping when pressed?

Another useful command is one which prints the next line on the screen in inverse text:

Switch On inverse text — POKE 30776,2 Switch Off inverse text — POKE 30776,1

Many thanks to Scott Le Brun, Chris Stamboulidis, Jay Batterson and Andrew Petty for these contributions. They are greatly appreciated.



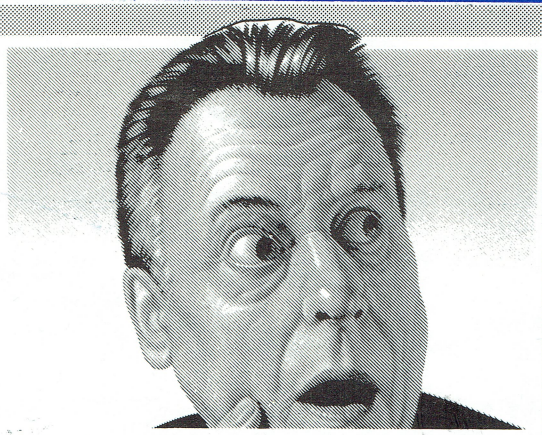
FANTASTIC VALUE CAT COMPUTER

If price has held you back from entering the world of powerful computing, then our popular CAT is the 'purr-fect' choice. Its impressive 64K RAM provides huge memory capacity for serious programming. And the 81 key keyboard features a numeric pad and 8 function keys for 24 software/program functions. Even enjoy sound and full colour... great for graphics. Includes inbuilt cassette, joystick, RS-232C serial and printer connections.

Cat X-7500

HUGE SAVINGS!

WAS $499 NOW $399



APOLOGY APOLOGY APOLOGY APOLOGY APOLOGY

In the latest DSE catalogue the PAMS listing on page 162 contained some errors regarding Zeta RTRS. Dick Smith Electronics apologises sincerely to the Zeta Sysop Nick Andrew, his family and to the Brierdene Labrador Kennels for any inconvenience they have experienced. *The correct information is as follows:*

Zeta RTRS (Nick Andrew) (02) 627 4177 24 hours on weekdays, 7pm to 7am weekends. The BBS is no longer experimental only.

VZ300 DISK SOFTWARE

For VZ owners who have purchased a VZ disk drive to enhance their system, the following games disks are available. Each one has a minimum of four great games, and the best news is that the disk is priced at even lower than the cost of buying each of the taped games individually. Only $39.95 each for the best of the tape-based games! Here's what you get:

Games Disk #1... VZ-Intruders (X-7239), Asteroids (X-7248), Starblaster (X-7247) and Dawn Patrol (X-7333).

Games Disk #2...VZ Ghost Hunter (X-7242), Hoppy (X-7243), VZ Panic (X-7270) and Kamakazi (X-7334).

Games Disk #3...Ladder Challenge (X-7268), Super Snake (X-7244), Missile Attack (X-7335) and Digout (X-7336).

Games Disk #4...Duel (X-7279), Chess (X-7275), Hamburger Sam (X-7337) and Lunar Lander (X-7338).

Catalogue numbers for each of these disks are as follows. They are available in DSE stores now and can also be ordered through DSX Mail Orders, as with all the products shown in this issue.

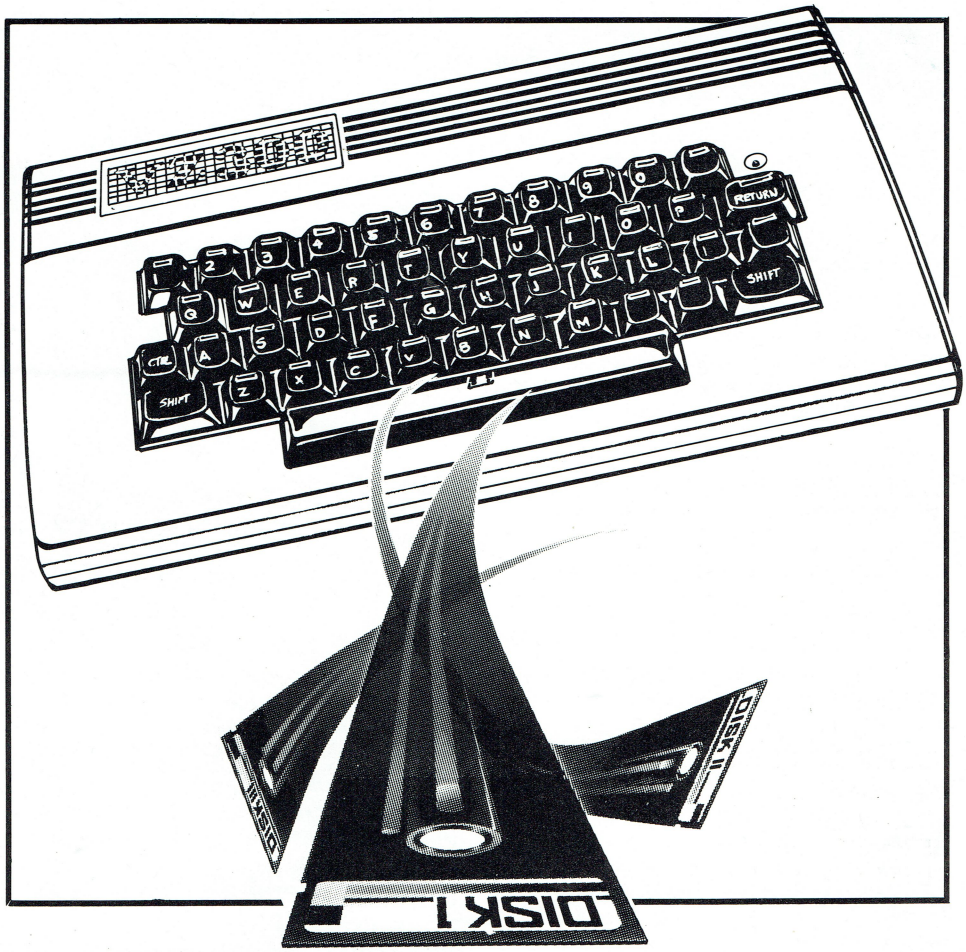
X-7400 Games Disk #1
X-7401 Games Disk #2
X-7402 Games Disk #3
X-7403 Games Disk #4

All these disks require a 16K RAM Pack to operate on the VZ200.

To be able to use the VZ300 Mailing List program on disk, you will need to pick up Technical Bulletin No. 111 from your nearest DSE store. This program (Cat X-7259) is a great way to keep track of all your friends, or members of a club. You can enter up to 200 names, addresses and telephone numbers. You can store them on a separate disk and even print out personalised letters and labels for envelopes, provided you have a printer.

Another VZ Program already available on disk is the VZ Data Base (Cat X-7405). This is an advanced program that allows you to set up a data base in your specified format. Once set up you can choose to print out any or all of the information. This program requires a 16K RAM Pack to operate on both the VZ200 and VZ300

For further information on any or all of these programs, please tick box 4 on the back page.



OBTAINING COLOUR ON THE VZ300

Some customers have expressed a problem in obtaining colour on the VZ300. While it is fairly straight forward, the instructions in the manual can be misleading for the inexperienced, so below we have reprinted Technical Bulletin 114, which clears up the confusion.

1. Background colour — this can be either green or buff (pink), and is changed by entering:

COLOR, O (for green — default colour)
OR COLOR, 1 (for buff)

This leaves the foreground colour of graphics characters unchanged. Note also that only these graphics characters which are to be found on the following keys, (while pressing the shift key: Q, W, E, R, T, Y, U, I, A, S, D, F, G, H, J) may be used to change foreground colours. Any others will always remain black.

2. Foreground colour — this can be changed in two ways.

a) Changing the background colour as well:
enter — COLOR I, J
where I is the foreground colour from 1 to 8 (list of colour codes below) and J is the background colour as above.

b) Changing only the foreground colour:
enter — COLOR I
where I ranges from 1 to 8 as in a).

Note: In both a) and b), no changes to foreground colour will be noticed unless followed by a print statement.

COLOUR CODE TABLE

Code	Colour
1	Green
2	Yellow
3	Blue
4	Red
5	Buff (pink)
6	Cyan
7	Magenta
8	Orange

```
10   For I = 1 to 8
20   Color I
30   Print '<shift QWE>'
40   Next I
50   Color, I
60   For I = 1 to 8
70   Color I
80   Print '<shift UIA>'
90   Next I
100  Color 2, I
110  Print '<shift GHJ>'
```

VZ PROGRAMS

Every issue of Comput will now carry a VZ program sent in by one of our readers. Start sending your entries in now, and if we publish your program, you'll receive a $10 gift voucher, compliments of Dick Smith Electronics.

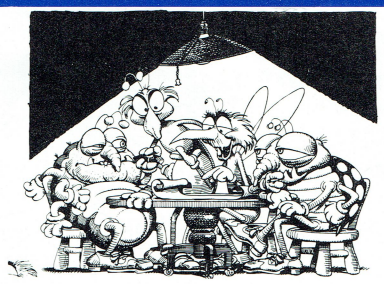
Our first contributor is Jamie Driscoll of 24 Mallison Street, Wyoming on the NSW Central Coast. Here is his program, which helps with multiplication tables:

```
10 CLS
15 Print "Multiplication Tables"
17 Print "by Jamie Driscoll, 1986"
20 Input "Enter a number";A
30 For B=1 to 12
40 Print B; "*";A;"=";A*B
50 Next B
60 Print @ 172, "Another Go? (Y/N)";
65 Print @ 206, "";: Input Q$
70 If Q$ = "Y" Then go to 10 ELSE
CLS
```

Send your entries to:
The Editor,
Comput,
PO Box 321,
North Ryde 2113

We can't return your entries, so please keep a copy for safe keeping.

'SPOT THE BUG' WINNER



From the many entries received, (most of which were correct) the winner of the Spot the Bug Competition was selected.

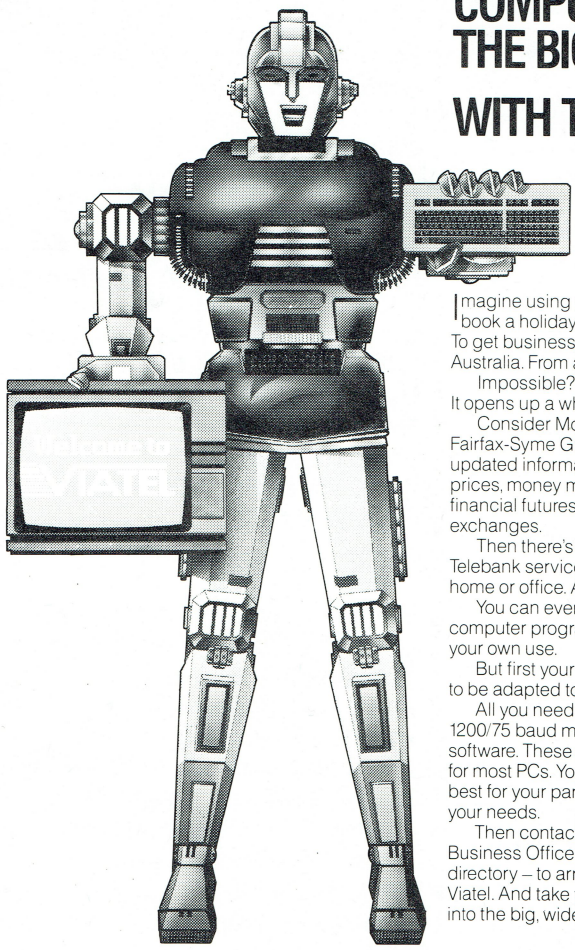
Congratulations go to:
Mark Halliwell
24 Pheonix Drive,
Wheelers Hill VIC 3150

Mark receives $110 of DSE SSDD Diskettes. That's forty diskettes!

The answer to the problem, as Mark wrote, was that line 50 had no 'NEXT'. Well spotted!

TAKE YOUR PERSONAL COMPUTER OUT INTO THE BIG WIDE WORLD.

WITH TELECOM VIATEL.



Imagine using your personal computer to book a holiday. To shop. To do your banking. To get business information from all round Australia. From all round the world.

Impossible? Not with Telecom Viatel. It opens up a whole new world for PC owners.

Consider Money Watch from the Fairfax-Syme Group. It provides constantly updated information on stocks and share prices, money markets, commodity and financial futures. From local and international exchanges.

Then there's the Commonwealth Bank Telebank service. It lets you bank from your home or office. At the touch of a button.

You can even use Viatel to download new computer programs onto disk or cassette for your own use.

But first your personal computer will have to be adapted to emulate a Viatel terminal.

All you need is a Telecom approved 1200/75 baud modem and the appropriate software. These are now readily available for most PCs. Your dealer will know what is best for your particular PC. Talk to him about your needs.

Then contact your local Telecom Business Office – listed in your telephone directory – to arrange connection to Telecom Viatel. And take your personal computer out into the big, wide world.

Telecom VIATEL®
AUSTRALIA'S NATIONAL VIDEOTEX SERVICE

Telecom Australia
Better for Business

TM470

ADVENTURERS' CORNER

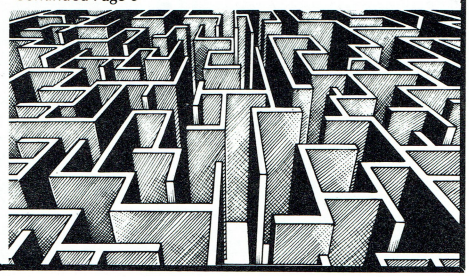
Matthew Arnison from Sydney sent in this answer to last issue's question 2. The question was, "In Hitchhikers Guide to the Galaxy, what do you do once you've been transported onto the Vogon constructor ship?"

Matthew's answer was as follows:

Wait four times and then use the sense that is not listed in the things you can't do (do this whenever you are in the Dark). Ford offers you some peanuts — eat them. You are now in the Vogon Hold. The first thing to do is to get the babel fish:
take off gown
hang gown on hook
cover drain with towel (if you haven't got it wait until Ford drops it)
block panel with satchel (again get it from sleeping Ford)
put mail on satchel (remember to get this at your front door)
push dispenser button.
The babel fish should land in your ear. Now turn the switch that's near the glass case, it will tell you which word or words from the chief vogon's poetry make up the code. Remember this and then wait until the guards take you to listen to the poetry. Sometime when the poetry is being read you must enjoy the poetry so that he reads the second verse. This is where the code word is. The best idea is to WRITE IT DOWN when you hear it (Beware, the poetry word asked for by the switch recording changes each time).

After the poetry is finished a guard will take you back to the Vogon Hold. Here you must type in the code word exactly like this — >type "codeword" — or the machine will self destruct. If all goes well the glass case will open and you can get the

Continued Page 8



SERVICES ON VIATEL

Telecom

AUSTRALIA'S NATIONAL VIDEOTEX SERVICE

TM470

The following categories give an indication of some of the services available on Viatel. Where indicated, you may access these services on Viatel simply by keying the page number shown (eg*1234#). Some of the services mentioned may involve membership with a Service Provider, or may incur an additional cost.

BUSINESS AND FINANCE

- Business headlines, specialist business news arranged by occupation, profession or interest, commentaries, reviews, digests, newsletters and business publications, banking, financial and economic news (eg *111#).
- Financial services, loans leasing, savings, investments, business finance, personal finance, credit cards (eg *1123#).
- Industry segments, videotex, communications, marketing and market research, real estate, housing, information services, information technology (eg *118#).
- Occupations and professions, medicine and health, computer associations, videotex industry, architecture, telecommunications, teaching, library and information science (eg *1162#), employer/employee organisations (eg*1161#).
- Agriculture news, events, weather, pests, diseases, livestock, fruit and vegetable industries, finance management, farm services (eg*381#).

MICROCOMPUTING

- Downline loading of computer software, computer clubs, microcomputing news, education through microcomputers, business applications, hardware and software, (eg *17#), micro-computing tips and hints, questions and answers, bulletin boards, (eg *66613#).

TELESERVICES, MAILBOX AND TELEX

- Homebanking, account information, funds transfer, bill payment, statement and cheque book ordering (eg *5555#).
- Teleshopping, buy and sell, home and office shopping, wines, microcomputers, videos, video and audio cassettes, training materials, gases (eg *1002#).
- Telebooking, accommodation, airline flights, holidays (eg *1003#).
- Telesoftware, downline loading of software(eg *1004#).
- Electronic mail, messages, greeting card, mailbox directory, send a telex message retrieval (eg *103#).

MAGAZINE

- News, national, international, business and professional, weather (eg *121#).
- What's on, film, theatre, concerts, places to visit, eating out, horoscopes, games, jokes (eg *122#), graffiti — read some and write your own (eg *12226#).
- Sports, hobbies, leisure, sporting news and results, racing, betting (eg *124#).
- Advice and information, directories, health, family, legal, education, government information (eg *125#).
- Food and drink, recipes, diet and nutrition, restaurant guide, mixed drink recipes (eg *127#).
- Bulletin Boards, chat features (eg *126#).
- Education news, educational institutions, tertiary colleges, universities, TAFE, degree courses, short courses, continuing education, teaching aids and resources information (eg *129#).
- Classified advertising, buy, sell, trading post, positions vacant (eg *1219#).

ALPHABETIC INDEX

- Search for a particular subject, service or the provider of a service (eg *13#).

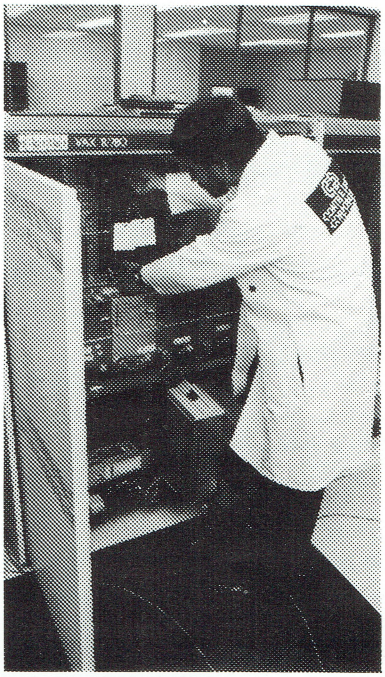
If you're into computers you could have a job for life.

If you're interested in the finer points of digital electronics and computers, the computer industry needs you.

Enrol now into Control Data Institute's Computer Engineering course and you could be working in the ever-expanding computer industry in as little as 8 months.

Control Data Institute's flexible study programmes will allow you to study full-time or part-time in subjects such as **Electronics, Microprocessors, Mini Computers, Data Communication, Terminals, Disk Drives, Line Printers** and **Machine Language Programming.** Or if you choose, you can study individual subjects.

You can even get exemptions if you have some experience in the electronics field. And at the end of your course of study, you qualify with a Diploma in Computer Engineering.



Control Data is accepting enrolments now for their Computer Engineering courses in Sydney and Melbourne. The demand for Control Data Engineering Graduates has never been higher.

For further information call Control Data Institute now. You can attend special monthly free engineering information seminars or phone Wendy Mason in Sydney on (02) 438 1300 or Sherrill Maconachie in Melbourne on (03) 268 9666 for a personal appointment.

CONTROL DATA INSTITUTE

YOUR CAREER BEGINS HERE

An education service of Control Data Australia Pty. Limited.

Burrows Doble Lawrence CDA 1640

PAMS (BULLETIN BOARD) LISTINGS

The normal data format for connecting to Public Access Message Systems (PAMS) in Australia and New Zealand is:

300 bps, 8 Data bits, 1 Stop bit, NoParity, Full Duplex CCITT V21 Modem Standard, Set your modem to ORIGINATE mode

MODEM STANDARDS

V21 = 300 Baud Duplex FSK (Frequency Shifted Keying)
V22 = Up to 2400 Baud Duplex PSK (Phase Shifted Keying)
V23 = 1200/75 Baud FSK (Frequency Shifted Keying)

All systems support V21 standard, some systems may support V22 or V23 standard and will be specifically noted if they do.

SYSTEM TYPES

RTRS = Remote TRS-80 System
RCPM = Remote CP/M System
RMPM = Remote MP/M System
RMSD = Remote MS-DOS System
RIBM = Remote IBM PC System (or clone)
RAPL = Remote Apple System (or clone)
RUNX = Remote Unix System
RBBS = Remote Bulletin Board System
CBBS = Community Bulletin Board system
TBBS = The Bread Board System (TRS-80)
CTDL = The Citadel System (CPM)
BBS = Bulletin Board System

This listing is made from data supplied by several bulletin boards. It is almost certainly not complete, as many PAMS are known only to a select group of users. Others may have now ceased to function. If your PAMS or bulletin board is not listed here, (or you know of any incorrect data) send details to the DSE RBBS Sysop (02 887 2276) who will endeavour to keep the PAMS listing on the DSE RBBS as up-to-date as possible.

AUSTRALIAN SYSTEMS

NEW SOUTH WALES:

Dick Smith Electronics RBBS
(02) 887 2276 24 hours
Sysop: Mark Grimmond

Club-80 RTRS (Michael Cooper)
(02) 332 2494 24 hours

Prophet TBBS (Larry Lewis)
(02) 628 7030 24 hours

Omen RTRS (Ted Romer)
(02) 498 2495 1630-0900 EST weekdays
24 hours weekends
+ V21 and V23 +

Kee-Board TBBS (Phillip Keegan)
(02) 629 2230 24 hours

Brieske Omen RTRS (Geoff Arthur)
(02) 457 8281 24 hours

*Zeta RTRS (Nick Andrews)
(02) 627 4177 24 hours 7 days
+ EXPERIMENTAL ONLY +

Texas Instruments Sydney Home Users Group (Shane Andersen)
(02) 560 09261930-1800 EST Sun-Tue
+ MEMBERS ONLY +

Mi Computer Club BBS (Evan McHugh)
(02) 662 1686 24 hours

Sydney Public Access RCPM (Barrie Hall)
(02) 808 3536 24 hours
+ MEMBERS ONLY +

Micro Design Lab RCPM (Stephen Jolly)
(02) 663 0151 24 hours

Tesseract RCPM (John Hastwell-Batten)
(02) 651 1404 24 hours

Newcastle Microcomputer Club RCPM (Tony Nicholson)
(049) 68 5385 1700-0830 EST weekdays
24 hours weekends

Info-Centre BBS (Paris Radio)
(02) 344 9511 24 hours

Apple Users Group BBS (Matthew Barnes and Andrew Riley) (02) 451 6575 24 hours

The Skull RAPL (Les Ayling)
(02) 529 8750 24 hours

Tomorrowland DIRECT RMSD
(Sysop not known)
(02) 411 2053 24 hours

*Contact BBS (Steven Williams)
(02) 550 1004 24 hours 7 days
+ VISITORS WELCOME +

ABCOM-IBBS047 RIBM (Ben Sharif)
(047) 36 4165 24 hours

Ace (ATARI) (Jeff Maddock)
(02) 560 9846 - Mon to Fri 1800 to 0900
Weekends 24 hours

Andromeda
(02) 746 3598 24 hours

Appletech BBS (Peter Tomlin)
(042) 71 5514 Weekdays 2000 to 2300
Weekends 1800 to 0000

AUGUR TBBS (Mark James)
(02) 661 4739 24 Hours

AUSBOARD (OSBORNE) RCPM (Daniel Moran)
(02) 439 7072 24 Hours

BERT BBS
(02) 211 0855 24 Hours

Bounty C-64 BBS
(02) 918 3256 24 hours

CCUA C-64 BBS (Sysop Unknown)
(02) 599 7342 24 Hours

COMMBOARD (Graham Lee)
(02) 664 2334 24 hours

CSACE (Atari) (Larry O'Keefe)
(02) 529-8249 24 hours

Frontier Systems RIBM (John Stanton)
(02) 875-2606 24 Hours

Galaxy (Apple) BBS (Chris Nelligan)
(02) 875-3943 24 Hours

Goblin Sound RMAC/Balmain RCPM (Ned Whitford)
(02) 660 8182 24 hours

Illawarra BBS (John Simon)
(042) 84 4354 24 hours

Info-Centre Paris Radio
(02) 344-9511 24 hours

Irata BBS (Paul Sommers)
(02) 600 9041 Est Weekdays 1800 - 0000
Weekends 24 hours

Oracle TBBS (Rowan Evans)
(02) 960 3641 Est Weekdays 0000-1800
Est Weekends 0000-0600

Palantir C-64 BBS (Steve Sharp)
(02) 451-6576 24 hours

Prophet TBBS (Larry Lewis)
(02) 628 7030 24 Hours

PURSUIT BBS (Warren Hillsdon)
(02) 522 9507 24 Hours

RCOM C-64 (Simon Finch)
(02) 667 1930 24 Hours

RUNX Unix System (Mark Webster)
(02) 48 3831, 487 3677, 487 1860, 487 2533, 487 1299
24 Hours

Scorpio C-64 BBS (Russ Morrison)
(02) 621-7487 24 Hours

Sentry BBS (VIC20) (Trev Roydhouse)
(02) 428 4687 Mon-Fri 2100-0600, Sat-Sun 2000-0600

SMUM-BEE BBS (Bob Fryer)
(02) 607 7584 24 Hours

SYDNEY PS USERS RIBM (Geoff May)
(02) 238 9034, 221 5520 24 Hours

Tandy Australia RIBM
(02) 625 8071 24 hours

A.C.T.:

DSA-80 RTRS (Ross Boys)
(062) 41 4395 24 hours

Canberra RBBS (Sysop not known)
(061) 88 8318 24 hours

CANBERRA IBBS
(062) 58 1406 24 Hours

QUEENSLAND:

ACEA COMMODORE BBS (ACEA-BBS)
(07) 341 0285 24 Hours

Brisbane Commodore User Group BBS
(07) 808 2125 (BGUG-BBS)

Brisbane Microbee User Group RCPM (BMUG-RCPM)
(07) 38 4833 24 hours

Software Tools RCPM (Bill Bolton)
(07) 378 9530 24 hours

Tomorrowland DIRECT RMSD (Ian Bennett)
(07) 286 2438 24 hours

Brisbane Experimental RCPM (Sysop not known) (07) 393-3151 24 hours

Cairns and District IBBS (CAD-IBBS)
(070) 51 3582 1800-0800 Weekdays
24 hours weekends

Colour Computer Link (Cocolink)
(075) 32 6340 24 hours

Competron IBBS (COMPT-IBBS)
(07) 52 9498 1700-0800 Est Weekdays
24 hours Est Weekends

Hi-Tech CBBS (HTC-BBS)
(07) 38 6872 24 hours

TI BUGS BBS
(07) 263 6161 9pm-6am Weekdays

TASMANIA:

Ian Campbell TBBS
(003) 26 4248 24 Hours

Launceston BBS
(003) 34 0911 24 Hours

MS-RBBS RTRS (Mike Scott)
(003) 34 0911 24 hours

VICTORIA:

Melbourne Micro Computer Club CBBS (Peter Jetson)
(03) 762 5088 24 hours

Omen-IV RTRS (Philip Westh)
(03) 846 4034 24 hours

Gippsland RCPM (Bob Sherlock)
(051) 34 1563 24 hours

Sorcerer Computer Users Assoc CBBS (David Woodberry)
(03) 434 3529 24 hours

Tardis RCPM (Malcolm Miles)
(03) 67 7760 1800-0900 EST weekdays
24 hours weekends

Melbourne PC Connection RIBM (Lloyd Borrett)
(03) 528 3750 24 hours

HiSoft RIBM (Richard Tolhurst)
(03) 799 2001 24 hours

Computers Galore RIBM (Bob Cooban and Martin Scerri)
(03) 561 8479 24 hours

East Ringwood RCPM (Mick Stock)
(03) 870 4623 1600 - 2400 weekdays
+ NOT WEEKENDS +

Gippsland MAIL-BUS (Max Moore)
(051) 27 7 245 24 hours

AM-NET BBS (AMNET-BBS)
(03) 366 7055 24 hours

Apple Hackers BBS
(03) 762 1582 24 Hours
3 pm-6.15pm weekdays
Password : AHUBBS

Basic Users Group of Melb. (BUGM) RCPM
(03) 500 0562

Down Under Software
(03) 429 5819 24 Hours

Hi-Tech BBS
(03) 397 1165 24 Hours

Melbourne Microbee user Group RCPM (MMUG-RCPM)
(03) 873 5734 24 Hours

Micropro Computers RCPM (MICROP-RCPM)
(03) 568 8180 24 Hours Est.

Millionaire BBS
(03) 222 2939 24 Hours

PC Connection BBS
(03) 528 3750 2100 to 1800 Est Weekdays
24 hours Est Weekends

Public Resources #1 BBS
(03) 878 2918 24 Hours

SOUTH AUSTRALIA:

Adelaide Micro User Group RTRS (Richard Newcombe)
(08) 271 2043 1000-2200 CST weekdays and holidays ONLY!

Computer Ventures BBS (Daniel Schumacher)
(08) 255 9146 24 hours

Electronic Oracle IBBS (EO-IBBS)
(08) 260 6686 24 Hours Cst.

Multiple BBS (MULTI-BBS)
(08) 255 5116 24 hours Cst.

Nexus Education Dept. BBS (NEXUS-BBS)
(08) 243 2477 24 Hours Cst.

OMEN V RTRS (OM5-RTRS)
(08) 356 7939 1800-0700 CST Daily

SA Commodore BBS (SAC64-BBS)
(08) 382 4631 ??? Cst.

NORTHERN TERRITORY:

Omen-II RTRS (Terry O'Brien)
(089) 27 4454 24 hours

Outback RCPM (Phill Sampson)
(089) 27 7111 24 hours

Red Centre RCPM (REDC-RCPM)
(075) 32 6340 24 Hours Cst.

WESTERN AUSTRALIA:

Applecross
(09) 364 9924 24 Hours

Omen-III RTRS (Greg Watkins)
(09) 279 8555 0800 - 2400 WST weekdays
24 hours weekends

Perth RMPM
(09) 367 6068 1800-2100 WST

NEW ZEALAND SYSTEMS

NORTH ISLAND:

Attache RBBS
ISD number 0011 64 9 76 2309 24 hours NZT
(type (lower case) "help" to login)

NEW LISTINGS

NAME: _____
PHONE NO: (____) _____
SYSOP: _____
TIME: _____
ACCESS: _____
COMMENTS: _____
_____

APOLOGY APOLOGY APOLOGY

In the lastest DSE catalogue, we listed the above in an effort to provide our customers with as much up-to-date information as possible. But in our eagerness we included two numbers that have been altered. We apologise to the operators concerned and to anyone who may have tried to dial these numbers.

The two corrections are asterisked so you may like to update your catalogue.

Also, elsewhere in the catalogue (P.133) we actually managed to print our own Bulletin Board number incorrectly (shame!). The number shown above — (02) 888 2276 — is correct.

Meanwhile, if you know of any new listings, please fill out the coupons below so that we can be assured of providing up-to-the-minute accuracy.

USER GROUPS

Challenger Users

NT Contact:Mr. Tom Koltai
Phone: (089) 85 5555

NSW Meetings 2nd Tuesday of each month. Contact: Geoffrey Towns
Phone: (02) 929 4618 (BH)

IBM-PC Compatible Users

Vic Contact: The Secretary, C/O Powell Kerr Foster, 14th Floor, 500 Bourke St, Melbourne 3000

PC Users

ACT Contact: PO Box E188, Parkes 2600

Various Groups

Cat Users — 1st Saturday each month
System 80 Users — 2nd Saturday each month.
Special Interest and learning groups — 3rd Saturday each month.
Challenger/Olivetti/T1100/Multitech Users —4th Saturday each month.
Contact: Mick Rowney
Phone: 666 4716

Anyone interested in joining a Multitech Users Group in Sydney, please contact David Leamey on (02) 226 3670 (work) or 662 7410 (home). Or write to 11/76 Lenthall St., Kensington 2033

Bondwell Users

Vic Bondwell Users of Australia Inc.
Contact: Neville Howard
Phone: (03) 363 6011 (AH)
P.O. Box 599, Werribee 3030

NSW Contact:Ray Richards
Phone: 683 3940(H) 689 5278(W)

Cat Users

NSW $2 every meeting
Contacts: Philip Jang 387 4908(W)
Peter Cook 634 6336(H)

VZ200/300 Users

Vic Contact: Luigi Chiodo, 24 Don St, Reservoir 3073 (03) 460 3770

QLD Contact: Michael Novakovic, 24 Albert St, Goonda 4300 (07) 288 3045

J. D'Alton Ph: (07) 371 3707

NT Contact: 7 Abbott Cres, Malak 5793 (08) 27 2830

System 80 Users

NSW Contact: Jim Fisher, 37 Fairburn Ave, West Pennant Hills 2120

WA Contact: C. Powell, (09) 295 1449

QLD Contact: Secretary, 16 Laver St, Macgregor 4109 (07) 343 5771

SA Contact: Helen Ross, 36 Sturt St, Adelaide 5000

SYDTRUG (System 80)

Meets 2nd, 3rd and 4th Saturday each month. For more information: PO Box 297, Padstow 2211. $20p.a. fee, $10 joining fee.

Canberra Micro-80 Users

Contact: Harry Cooper, 113 Owen Dixon Drive, Evatt 2617. Phone: (062) 58 3700

Super 80 Users

NSW Contact: Dr P. Thursby
15 Bray Court North Rocks 2157
Annual subscription of $15 for monthly newsletter.

CP/M Users

Qld Contact: The Secretary, PO Box 1025, Milton 4064

Wizzard Users

NSW Contact: John Mifsod, 150 Bouganville Rd, Blackett 2770 (02) 628 0801

WA Contact: John Reid, 13 Wenlock Rd, Wattleup 6166 (09) 410 2359

Vic Contact: Barry Klein, 24 Russell St, Bulleen 3105 (03) 850 7275

NEW USERS

Melbourne Cat Interest User Group. PO Box 413, Collingwood 3033

Melbourne PC User Group
The Secretary,
PO Box 1728P,
Melbourne 3001
Phone: (03) 486 1555 or Garry Bryant on (03) 615 4844

WAVZ Group

$5 per year, $1 per meeting
Visitors welcome
Phone: (09) 276 9395 after 4.45pm

Aquarius Users

Australasian Aquarius Users Club
7 Duncraig Lane Stirling SA 5152
$6.50 per year

If you know of a new group that we have not listed, or you're interested in forming a group and would like to be mentioned on this page, please send your information to:
The Editor, Comput.
PO Box 321, North Ryde 2113

Continued from Page 5

vector plotter. Get everything else as well (get all) and if you can't carry something then you can put everything in the thing your aunt gave you, or you can leave the satchel behind as Ford takes that.

The guard will throw you in the Airlock and you can either press the green button on the thumb or just wait until you are thrown into space and be rescued in the nick of time. Either way you will find yourself in the Dark but still at a new area —The Heart of Gold...

QUESTIONS

We need some help with these problems in "King's Quest":
1. How do you get past the dragon?
2. How do you get through the door into the giant's kingdom?
If you know the answers to these, please send your information to:
The Editor, Comput,
PO Box 321,
North Ryde NSW 2113
so that we can publish them for all our readers.

READER INFORMATION SERVICE

As a means of providing a better service for our readers, a new reader information service has been created. If you require any further information on any of the products seen on these pages, simply tick the appropriate box in the coupon below, and mail it to:
The Editor — Comput
PO Box 321 North Ryde 2113

1 2 3 4 5 6 7 8 9 10
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Please send me more information as indicated.

Name .....

Address .....

.....

P/Code .....

YOUR HANDY PHONE LIST

Dick Smith Electronics	(02) 888 3200	Computer Hotline	(02) 888 2002
DSE Bulletin Board	(02) 887 2276	DSX Toll Free Orderline	(008) 22 6610
		DSX Bankcard Orderline	(02) 888 2105

DICK SMITH ELECTRONICS PTY LTD